PSYCHOPHYSIOLOGY

Volume 15

January 1978-November 1978

Published Bimonthly by The Society for Psychophysiological Research 2380 Lisa Lane, Madison, WI 53711

COPYRIGHT © 1978 BY THE SOCIETY FOR PSYCHOPHYSIOLOGICAL RESEARCH, INC.

Contents of Volume 15

No. 1, January 1978

Elicitation of Subjective Uncertainty during Vasomotor and Electrodermal Discrim-	
ination Classical Conditioning. MICHAEL A. BIFERNO AND MICHAEL E. DAWSON	1
Task, Hand, Sex, and EEG Asymmetry. CHARLES S. REBERT AND REBECCA A. MAHONEY	9
Long-Latency Evoked Potentials and Reaction Time. WALTON T. ROTH, JUDITH M. FORD, AND BERT S. KOPELL	17
	24
	35
	40
Biofeedback Training of Blood Pressure: A Comparison of Three Feedback Techniques. BRIAN J. SHANNON, MARK S. GOLDMAN, AND RICHARD M. LEE	53
Autonomic Specificity and Stereotypy Revisited. E. A. SERSEN, J. CLAUSEN, AND A. LIDSKY	60
Maternal Physiological Response to Infant Signals. WILBERTA L. DONOVAN, LEWIS A. LEAVITT, AND JOHN D. BALLING	68
REM Deprivation and Divergent Thinking. HANANYAH GLAUBMAN, ISRAEL ORBACH, ORIT AVIRAM, IRENE FRIEDER, MEIRA FRIEMAN, ODEDA PELLED, AND	25
RIVKA GLAUBMAN	75
Impedance Cardiography. J. C. MILLER AND S. M. HORVATH	80 91
No. 2, March 1978	
Orienting and Defensive Responding in the Electrodermal System: Palmar-	
Dorsal Differences and Recovery Rate during Conditioning to Potentially Phobic Stimuli. ARNE ÖHMAN, MATS FREDRIKSON, AND KENNETH HUGDAHL	93
The Relationship Among Heart Rate, Carotid dP/dt, and Blood Pressure in Humans as a Function of the Type of Stress. PAUL A. OBRIST, CLAUDE J. GAEBELEIN, EMILY S. TELLER, ALAN W. LANGER, ALBERTO GRIGNOLO, KATHLEEN C.	
	102
bital Intoxication: An Assessment Using Brain Potentials. ROBERT F. HINK, WAYNE H. FENTON, JR., JARED R. TINKLENBERG, ADOLF PFEFFERBAUM, AND	
BERT S. KOPELL	116
	126 137
Scientific Assessment of the Accuracy of Detection of Deception: A Reply to Lykken. DAVID C. RASKIN	143
Expectancy of the UCS during Avoidance Conditioning of the SCR. ANNE M. SCHELL, MICHAEL E. DAWSON, JAMES R. BEERS, AND MICHAEL A. BIFERNO.	148

Classically Conditioned Autonomic Discrimination and Tryptophan Uptake in Chronic Schizophrenia. JOHN C. GORHAM, ROBERT A. NOVELLY, ALBERT F. AX, AND	1.50
Psychopathy and Physiological Responses to Threat of an Aversive Stimulus.	158
ROBERT D. HARE, JANICE FRAZELLE, AND DAVID N. COX	165
Establishment and Implementation of Standardized Sleep Laboratory Data	
Collection and Scoring Procedures. ISMET KARACAN, WILLIAM C. ORR, THOMAS ROTH, MILTON KRAMER, JAY T. SHURLEY, JOHN I. THORNBY,	
STEPHEN F. BINGHAM, AND PATRICIA J. SALIS	173
Instructions to Authors	180
Announcements	172
No. 3, May 1978	
Some Necessary Revisions of the Neuronal Model Concept of the Orienting	
Response. MANFRED VELDEN	181
Stimulus Intensity Control and the Cortical Evoked Response in Smokers and Non-	106
Smokers. VERNER J. KNOTT AND PETER H. VENABLES Imagery Vividness Affects Habituation Rate. PETER DRUMMOND, KEN WHITE, AND	186
ROD ASHTON	193
Salivation: The Significance of Imagery in Its Voluntary Control. K. D. WHITE.	196
Autoregressive Spectral Estimates of Newborn Brain Maturational Level: Classifica-	
tion and Validation. DAVID H. CROWELL, LINDA E. KAPUNIAI, AND RICHARD	
H. JONES	204
The Sleep of Skydivers: A Study of Stress. E. J. BEAUMASTER, J. B. KNOWLES, AND	209
A. W. MAC LEAN	209
M. MC KEAN, G. PETTETT, AND T. MENDELSON	214
Effects of Arousal on Habituation of the Electrodermal Orienting Reflex. B. C.	
GOLDWATER AND J. LEWIS	221
Digital and Cephalic Vasomotor Orienting Responses to Indifferent, Signal, and	
Verbal Stimuli. YOSHIHARU HIROSHIGE AND SHINKURO IWAHARA Differential Effects of Left versus Right Monaural Biofeedback for Heart Rate	226
Increase. LISA GREENSTADT, MARJORIE SCHUMAN, AND DAVID SHAPIRO	233
Biofeedback and Progressive Relaxation: Effects on Systolic and Diastolic Blood	
Pressure and Heart Rate. STEVEN G. FEY AND ERNEST LINDHOLM	239
Cerebral Evoked Potentials to Noxious Dental Stimulation: Relationship to Subjective	
Pain Report. STEPHEN W. HARKINS AND C. RICHARD CHAPMAN	248
A Multiple-Response Evaluation of EMG Biofeedback Performance During Training and Stress-Induction Conditions. ROBERT J. GATCHEL, MAURICE KORMAN,	
CHARLES B. WEIS, JR., DAN SMITH, AND LEWIS CLARKE	253
Abstracts	200
Abstracts of Papers Presented at the Seventeenth Annual Meeting of The	
Society for Psychophysiological Research	259
Announcements	
Erratum	247
No. 4, July 1978	
Editorial	299
Presidential Address, 1977	
Psychophysiology and Psychometrics. PETER VENABLES	302

Background Noise Levels and Heart Rate Orienting: Response Detection Using Time Series Analysis. TIM LOBSTEIN, BOB WEBB, AND JANET CORT Laterality of Body Focus and Digital Skin Temperature in Patients with Raynaud's Disease. RICHARD S. SURWIT, MARILYN N. BRADNER, CYNTHIA H. FENTON,	316
AND ROBERT N. PILON	320
Overextinction and Test Stimulus Modality Determinants of Dishabituation. BARRY D. SMITH, MICHAEL DICKEL, AND SARA DEUTSCH	324
The Effects of Operant Heart Rate Conditioning on Cognitive Elaboration and Attitude Change. JOHN T. CACIOPPO, CURT A. SANDMAN, AND BARBARA B.	220
WALKER Prestimulus Effects on Human Startle Reflex in Normals and Schizophrenics. DAVID BRAFF, CLAUDIA STONE, ENOCH CALLAWAY, MARK GEYER, IRA GLICK, AND	330
Effectiveness of Techniques and Physiological Measures in the Detection of	339
Deception. JOHN A. PODLESNY AND DAVID C. RASKIN	344
SQUIRES, BEVERLEY H. HENDERSON, AND ARNOLD STARR	360
Methodology The Measurement of Human Penile Tumescence. RAYMOND C. ROSEN AND	
FRANCIS J. KEEFE	366
Instrumentation Eyeblink EMG: A Miniature Eyelid Electrode for Recording from Orbicularis	
Oculi. LOUIS D. SILVERSTEIN AND FRANCES K. GRAHAM	377
Computer Software Detection of Transient Responses in Adult Heart Rate. TIM LOBSTEIN	380
DUMP A/D: A LAP6W Program for Storing Single Trial Electrophysiological Data on a PDP-12. JON F. PETERS AND MICHAEL J. FALCONER	382
Letter to the Editor	205
Sterilization of Genital Devices. JAMES H. GEER	385 384
No. 5, September 1978	
Reactivity to Heteromodal Stimulation as a Function of Stimulus Intensity	
and Inner Arousal. ROBERT ALEXANDER AND SEYMOUR EPSTEIN Stress and EEG-Alpha. RANDY O. FROST, THOMAS G. BURISH, AND DAVID S.	387
Changes in Heart Rate, Muscle Activity, and Anxiety Level Following Shock	394
Threat. HEYWOOD M. PETRY AND OTELLO DESIDERATO	398
MANUCK, SUZANNE CRAFT, AND KENNETH J. GOLD	403
LAVERNE C. JOHNSON, AND WILSE B. WEBB	412
Relationships Between Behavioral Arousal and Some Components of Autonomic Arousal, CHARLES M. MIEZEJESKI	417
Conditioned Diastolic Blood Pressure as a Function of Induced Masseter Muscle	417
Tension. S. THOMAS ELDER, ELIZABETH A. VERZWYVELT, AND ROBERT D. MC AFEE	422
The Regulation of Blood Pressure Reactions to Taxing Conditions using Pulse Transit Time Feedback and Relaxation. ANDREW STEPTOE	429
Physiological Responding During Self Generated Imagery of Contextually Complete Stimuli. GARY E. JONES AND HAROLD J. JOHNSON	439
Physical Fitness, Exercise, and Human Sleep. SUSAN J. GRIFFIN AND JOHN	439

8	451 460
ADOLF PFEFFERBAUM, JARED R. TINKLENBERG, AND BERT S. KOPELL Methodology	466
	474
	483
	487
	492
Instrumentation	
A Window Comparator to Accommodate Natural Variability in Psychophysio-	
logical Measurements. F. JAMES DOYLE AND RICHARD ALLON Reliable and Precise Identification of R-Waves in the EKG with a Simple	496
Peak Detector. HIDEMI SHIMIZU An Automatic Voltage Suppressor for the Measurement of Electrodermal	499
Activity. WOLFGANG R. SIMON AND REINER W. G. HOMOTH	502
Announcements	-
711101111111111111111111111111111111111	505
No. 6, November 1978	
Editorial: Volume 15	507
Prediction of the Informational and Motivational Properties of "Right-Wrong" Knowledge of Results With the Skin Resistance Response. DAVID M.	
GRILLY	509
Overhabituation and Dishabituation Responses as a Function of Stimulus Intensity and Amount of Overhabituation Training. BARRY D. SMITH AND JAMES	
COUNCIL	517
Stimulus Intensity Expectation and Visual Evoked Brain Potentials. DAVID WM.	
SHUCARD AND JANET L. SHUCARD	522
AND RICHARD M. LEE	531
	538
Effects of Coping on Blood Pressure Responses to Threat of Aversive Stimulation.	
STEPHEN B. MANUCK, ANN H. HARVEY, STEPHANIE L. LECHLEITER, AND	
	544
Effects of Stimulus Variability on the Amplitude and Habituation of the Electrodermal	
Orienting Response. JOHN F. CONNOLLY AND CHRISTOPHER D. FRITH	550
Bilateral Skin Conductance and Skin Potential in Schizophrenic and Normal	
Subjects: The Identification of the Fast Habituator Group of Schizophrenics.	
TERRY PATTERSON AND P. H. VENABLES	556
Effects of Electrodermal Lability and Payoff Instructions on Vigilance Performance.	
ANDREW J. SOSTEK	561
The REM Cycle in Altered Sleep/Wake Schedules. J. Moses, P. Naitoh, and L. C.	
JOHNSON	569
A Multi-Response Analysis of Learned Heart Rate Control. GARY G. LOTT AND	
ROBERT J. GATCHEL	576
Effects of Multiple Sessions of True and Placeho Heart Rate Biofeedback Training on	

the Heart Rates and Anxiety Levels of Anxious Patients During and	
Following Treatment. PATRICIA A. RUPERT AND DAVID S. HOLMES	582
Methodology	
Tension in the Two Frontales: Electrode Placement and Artifact in the	
Recording of Forehead EMG. CHRISTOPHER M. DAVIS, PAUL BRICKETT, ROBERT M. STERN, AND WILLIAM H. KIMBALL	591
Comparison Between Time-Lapse Video Recordings of Behavior and	
Polygraphic State Determinations in Premature Infants. PETER W.	
	594
Instrumentation	
Telemetry of Human Cerebral Temperature. JAMES M. DABBS, JR., AND	
MICHAEL R. NEUMAN	599
Brief Reports	
Classics in Psychophysiology: Older Journal Articles and Books Cited	
. 1 . 0	604
Influences of Subject Self-Selection on the EEG Alpha-Hypnotizability	
	606
	609
	611
	612
	619
Announcements	605



Author Index for Volume 15

Adams, H. E. See Graham, L. E.		Borden, R. J. See Knight, M. L.	
Alexander, Robert, & Epstein, Seymour. Reactivity to heteromodal stimulation as a function of stimulus intensity and inner arousal		Bouchard, C. See Paquet, A. Bowman, T. E., Thompson, L. W., Michalewski, H. J., & Smith, D. B. D. Age-related changes in ANS and CNS	
Allon, Richard. See Doyle, F. J. Ancoli, S. See Meyers, R.		responses as a function of task difficulty. (Abstract) Bradner, Marilyn N. See Surwit, R. S.	270
Anderson, D. See Lidsky, A. Anderson, D. E. See Dale, A.		Braff, David, Stone, Claudia, Callaway, Enoch, Geyer, Mark, Glick, Ira, & Bali, Likh. Prestimulus effects on	
Anderson, D. E. See Noonberg, A.		human startle reflex in normals and schizophrenics	339
Anthony, B. J., Butler, G. H., & Putnam, L. E. Probe- startle inhibition during HR deceleration in a forewarned	285	Brenner, J., Phillips, K., & Connally, S. Oxygen consump- tion, heart rate and ambulation during shock-avoidance conditioning of heart rate and ambulation in freely-	
Anthony, B. J. See also Putnam, L. E.		moving rats. (Abstract)	296
Arabian, J. M., & Furedy, J. J. Unconditioned HR decelerations produced by a negative body tilt without		Brickett, Paul. See Davis, C. M. Brown, Judith N., & Cartwright, Rosalind D. Locating	
	272	NREM dreaming through instrumental responses	35
Ashton, Rod. See Drummond, P.		Buchsbaum, M. S., Davis, G. C., & Bunney, W. E., Jr. Effects of naloxone in normal volunteers on somato-	
Aviram, Orit. See Glaubman, H. Ax, Albert F. See Gorham, J. C. (3)		sensory evoked potentials and pain perception. (Abstract)	298
Ax, Albert 1. See Gorlant, J. C. (3)		Buchsbaum, M. S. See also Zuckerman, M.	270
Baer, P. E. See Fuhrer, M. J.		Bundy, R. S. Electrodermal activity as a unitary phenom-	
Bali, Likh. See Braff, D.		enon. (Abstract)	282
Balling, John D. See Donovan, W. L.		Bunney, W. E., Jr. See Buchsbaum, M. S.	
Beaumaster, E. J., Knowles, J. B., & MacLean, A. W.	200	Burish, Thomas G. See Frost, R. O.	
The sleep of skydivers: A study of stress	209	Butler, G. H. See Anthony, B. J., and Putnam, L. E. Butler, J. E. See Putney, R. T.	
Benedetti, C. See Chapman, C. R.		Butollo, W. See Schandry, R.	
Benignus, G. See Benignus, V. A.		,	
Benignus, V. A., & Benignus, G. Synchronous alpha		Cacioppo, John T., Sandman, Curt A., & Walker, Barbara	
rhythm is not a measure of general activation. (Abstract)	275	B. The effects of operant heart rate conditioning on	
Benson, K., Cohen, M., & Zarcone, V. REM sleep		cognitive elaboration and attitude change	330
reduction and digit span deterioration in a group of	202	Cacioppo, J. T. See also Walker, B. B. Callaway, Enoch. See Braff, D.	
chronic alcoholics. (Abstract)	293	Cartwright, Rosalind D. See Brown, J. N.	
Bertilson, H. S. Classics in psychophysiology: Older		Cassell, I. L. S. See Novelly, R. A.	
journal articles and books cited frequently today in		Catania, J. J. See Dawson, M. E.	
Psychophysiology	604	Caulfield, C. See Doerr, H.	
Biferno, M. A. An information processing analysis of the		Chapman, C. R., & Benedetti, C. Reversal of analgesia	
	294	with naloxone as measured by cortical evoked potentials.	207
Biferno, Michael A., & Dawson, Michael E. Elicitation of subjective uncertainty during vasomotor and electro-	1	(Abstract)	287
dermal discrimination classical conditioning	1	the effects of lunch on capillary blood glucose, heart	
Bingham, Stephen F. See Karacan, I.		period and deep body temperature, in male and female	
Blackburn, Susan. See Fuller, P. W.		subjects. (Abstract)	275
Blankstein, K. R. See Pye, D.		Chu, N-S. See Squires, K.	
Bloch, R. M., & Kopelove, B. G. Temporal uncertainty and interstimulus interval effects on auditory evoked		Clarke, Lewis. See Gatchel, R. J. Clarkson, M., & Berg, W. K. Cardiac deceleration in	
	264	neonates is influenced by temporal pattern and spectral	
Bloch, R. M., Stornetta, R., & Fortney, R. P. Inhibiton of startle in chronic alcoholic patients. (Abstract)	264	complexity of auditory stimuli. (Abstract)	284
Bloch, R. M. See also Fortney, R. P.	204	Cobbey, R. See Diaz, E.	
Blumenfield, M., & Lehrer, P. M. The effect of anxiety,		Cohen, M. See Benson, K.	
verbal-visual task, and sex on cortical laterality as		Connally, S. See Brener, J.	
Bonnet, Michael H., Johnson, Laverne C., & Webb,	265	Connolly, John F., & Frith, Christopher D. Effects of stimulus variability on the amplitude and habituation of the electrodermal orienties represent	
Wilse B. The reliability of arousal threshold during	412	the electrodermal orienting response	330

Cook, M. R. See Waid, W. M.		Mothers' physiologic arousal and behavioral response to	
Corley, K. C., Mauck, H. P., & Shiel, F. O'M. EKG and		their infants. (Abstract)	278
morphologic changes associated with environmental		Donovan, Wilberta L., Leavitt, Lewis A., & Balling, John	
stress: Effect of propranolol. (Abstract)	274	D. Maternal physiological response to infant signals .	68
Cort, Janet. See Lobstein, T.		Donovan, W. See also Frodi, A.	
Council, James. See Smith, B. D.		Doyle, F. James, & Allon, Richard. A window comparator	
Cox, David N. See Hare, R. D.		to accommodate natural variability in psychophysio-	
Craft, Suzanne. See Manuck, S. B.		logical measurements	496
Cromwell, R. L. See Klorman, R. S.		Drummond, Peter, White, Ken, & Ashton, Rod. Imagery	
Crowe, G. J. See Lester, M. L.		vividness affects habituation rate	193
Crowell, D. H., & Kapuniai, L. E. Autoregressive spectral		Dumas, Roland A., & Spitzer, Sherry E. Influences of	
estimates of newborn brain maturational level. (Abstract)	297	subject self-selection on the EEG-alpha-hypnotizability	
Crowell, David H., Kapuniai, Linda E., & Jones, Richard		correlation	606
H. Autoregressive spectral estimates of newborn brain		Duncan-Johnson, C. C., & Donchin, E. Series-based	
maturational level: Classification and validation	204	versus trial-based determinants of expectancy and P300	
		amplitude. (Abstract)	262
Dobbe James M. Jr. & Neuman Michael P. Talametry			
Dabbs, James M., Jr., & Neuman, Michael R. Telemetry	599	Edelberg, R., & Muller, M. Invited paper: The status of the	
of human cerebral temperature	399	electrodermal recovery measure: A caveat. (Abstract)	283
Dale, A., Anderson, D. E., Walsh, P., & Weiss, S.		Eisdorfer, C., Doerr, H., & Follette, W. Age and sex	
Mediating mechanisms in the biofeedback control of	266	interaction with electrodermal level and response.	
arterial pulse wave velocity. (Abstract)	266	(Abstract)	268
D'Amato, M. R. See Meinrath, M.		Eisman, E. See Galizio, C.	
Davidson, G. See Davidson, R. J.		Elder, S. Thomas, Verzwyvelt, Elizabeth A., & McAfee,	
Davidson, R. J., Davidson, G., & Freedland, E. S.		Robert D. Conditioned diastolic blood pressure as a	
Cardiac and electrodermal patterning during cognitive		function of induced masseter muscle tension	422
and somatic anxiety. (Abstract)	283	Engel, B. T. See Garwood, M.	
Davidson, R. J., & Marshak, A. EEG asymmetry in musical readers and non-readers during musical and		Epstein, Seymour. See Alexander, R.	
cognitive tasks. (Abstract)	269	Falconer, Michael J. See Peters, J. F.	
Davidson, R. J., & Schwartz, G. E. The effects of		Fenton, Cynthia H. See Surwit, R. S. (2)	
attentional self-regulation upon unconscious information		Fenton, Wayne H., Jr. See Hink, R. F. (2)	
processing: Scalp topography of averaged evoked re-		Fey, Steven G., & Lindholm, Ernest. Biofeedback and	
sponses to subthreshold stimuli. (Abstract)	298	progressive relaxation: Effects on systolic and diastolic	
Davidson, R. J., Schwartz, G. E., Weinberger, D., &		blood pressure and heart rate	239
Lenson, R. Hemisphericity and cognitive strategy during		Fisher, L. E., & Winkel, M. H. Time of quarter effects on	
cardiac self-regulation. (Abstract)	269	electrodermal responding. (Abstract)	276
Davis, Christopher M., Brickett, Paul, Stern, Robert M.,		Follette, W. See Eisdorfer, C.	
& Kimball, William H. Tension in the two frontales:		Ford, J. M., Pfefferbaum, A., Hopkins, W. F., III, Roth,	
Electrode placement and artifact in the recording of		W. T., & Kopell, B. S. Effect of stimulus intensity on	
forehead EMG	591	ERP amplitudes in young and old subjects. (Abstract)	294
Davis, C. M., Cook, E. W., & Stern, R. M. Effects of a		Ford, Judith M. See also Roth, W. T.	
reaction time task on digestive motility of the human		Fortney, R. P., Bloch, R. M., & Zimmerman, J. CNV and	
stomach. (Abstract)	290	modulation of acoustic startle in alcoholics, schizo-	
Davis, C. M. See also Stern, R. M.	270	phrenics, and college students. (Abstract)	263
Davis, G. C. See Buchsbaum, M. S.		Fortney, R. P. See also Bloch, R. M.	203
Dawson, M. E., Catania, J. J., & Grings, W. W. Within-		Fowles, Don C., & Schneider, Robert E. Electrolyte	
subjects comparisons of aware and unaware autonomic		medium effects on measurements of palmar skin poten-	
classical conditioning. (Abstract)	284	tial	474
Dawson, Michael E. See also Biferno, M. A., and Schell,	204	Fowles, Don C. See also Schneider, R. E.	4/4
A. M.		Frazelle, Janice. See Hare, R. D.	
Desiderato, Otello. See Petry, H. M.		Fredrikson, Mats. See Ohman, A.	
Deutsch, Sara. See Smith, B. D.		Freedland, E. S. See Davidson, R. J.	
Diaz, D. See Diaz, E.		Frese, F. J. Response lability and stereotypy in detection of	
Diaz, E., Cobbey, R., & Diaz, C. The effects of REM and		deception. (Abstract)	201
stage II awakenings on memory. (Abstract)	281	Frieder, Irene. See Glaubman, H.	
Dickel, Michael. See Smith, B. D.		Frieman, Meira. See Glaubman, H.	
Disbrow, M. See Doerr, H.		Frith, Christopher D. See Connolly, J. F.	
Doerr, H., Disbrow, M., & Caulfield, C. Psychophysio-		Frodi, A., Lamb, M., Leavitt, L., & Donovan, W.	
logical response patterns in child abusers. (Abstract) .	277	Fathers' and mothers' responses to infant smiles and	
Doerr, H. See also Eisdorfer, C.		cries. (Abstract)	276
Donchin, E. See Duncan-Johnson, C. C., and Heffley, E.,		Frohman, Charles E. See Gorham, J. C.	
and Johnson, R., Jr.		Frost, Randy O., Burish, Thomas G., & Holmes, David S.	
Donovan W Leavitt L & Schuknecht-Hanson V		Stress and EEG-alpha	394

	281	Gorham, John C., Novelly, Robert A., Ax, Albert F., & Frohman, Charles E. Classically conditioned autonomic discrimination and tryptophan uptake in chronic schizo-	150
Fuller, Peter W., Wenner, Waldemar H., & Blackburn, Susan. Comparison between time-lapse video recordings of behavior and polygraphic state determinations in		phrenia	158
Furedy, John J., & Klajner, Felix. Imaginational Pavlovian conditioning of large-magnitude cardiac decelerations	594	and period sequentially through real and cardiac time. Graham, Frances K. Normality of distributions and homogeneity of variance of heart rate and heart period	
Furedy, John J., & Poulos, Constantine X. Letter to the editor	538 610	Samples	487
Furedy, J. J. See also Arabian, R. J., and Heslegrave, R. J. (2), and Szalai, J. P., and Westergren, B.		Graham, L. E., & Adams, H. E. A comparison of biofeedback training procedures for voluntary regulation of cephalic arterial diameter. (Abstract)	281
Gaarder, K. See Sherman, R.		Green, S., Przybyla, D., & Slaughter, J. The effects of	
Gaebelein, Claude J. See Obrist, P. A.		autonomic stimulation on the development of restraint	
Gaide, M. S. See Schneiderman, N.		and social induced ulceration in rats. (Abstract)	288
Galbraith, G. See Squires, N.		Green, S. See also Przybyla, D.	
Galin, D., Johnstone, J., & Herron, J. Effects of task difficulty on EEG measures of cerebral engagement. (Abstract)	296	Greene, R. L. Lateralization of visual input and bilateral electrodermal reactivity. (Abstract)	267
Galizio, C., & Eisman, E. The Terminal Value model: Theoretical reevaluation of the Law of Initial Value.		Differential effects of left versus right monaural biofeed- back for heart rate increase	233
(Abstract) Garwood, M., Engel, B. T., & Quilter, R. Age differences in the effect of epidermal hydration on electrodermal	282		447
activity. (Abstract). Gatchel, Robert J., Korman, Maurice, Weis, Charles B., Jr., Smith, Dan, & Clarke, Lewis. A multiple-response	266	 Grignolo, A., Light, K. C., & Obrist, P. A. Beta-adrenergic influences on the canine myocardium: A behavioral and pharmacological study. (Abstract) Grignolo, A. See also Obrist, P. A. 	288
evaluation of EMG biofeedback performance during training and stress-induction conditions	253	Grilly, David M. Prediction of the informational and motivational properties of "right-wrong" knowledge of	
Gatchel, Robert J. See also Lott, G. G. (2) Gavin, W. J. See Schneiderman, N.		results with the skin resistance response	509
Geer, James H. Sterilization of genital devices	385	and sensation thresholds. (Abstract)	279
Gersh, F., & Weerts, T. C. Slow wave EEG correlates of		Grings, W. W. See also Dawson, M. E.	
cognitive processes. (Abstract)	263	Guice, E. E. Continuous recording of salivary pH as a measure of salivary flow. (Abstract)	281
Giambalvo, V. See Lester, M. L.		Hope A See Claus V D	
Glaubman, Hananyah, Orbach, Israel, Aviram, Orit, Frieder, Irene, Frieman, Meira, Pelled, Odeda, & Glaubman, Rivka. REM deprivation and divergent thinking. Glaubman, Rivka. See Glaubman, H.	75	 Happ, A. See Glaus, K. D. Hare, Robert D., Frazelle, Janice, & Cox, David N. Psychopathy and physiological responses to threat of an aversive stimulus 	
Glaus, K. D., Happ, A., & Kotses, H. Airway resistance changes associated with conditioned frontalis and brachioradialis EMG. (Abstract)		Hare, Robert D. See also Raskin, D. C. Harkins, S. W., & Chapman, C. R. Tooth shock evoked potentials as physiological indices of pain in man.	
Glick, Ira. See Braff, D. Gold, Kenneth J. See Manuck, S. B.		(Abstract)	
Goldberg, J. See Noonberg, A. Goldman, Mark S., & Lee, Richard M. Operant conditioning of blood pressure: Effects of mediators		evoked potentials to noxious dental stimulation: Relation- ship to subjective pain report	
Goldman, Mark S. See also Shannon, B. J.	551	Hayashi, R. See Sherman, R.	
Goldwater, B. C., & Lewis, J. Effects of arousal on		Heffley, E., Wickens, C., & Donchin, E. Intramodality	
habituation of the electrodermal orienting reflex Goodin, D. S., Squires, K. C., Henderson, B., & Starr, A.		selective attention and the P300—A reexamination in a visual monitoring task. (Abstract)	
An early decision-related cortical potential. (Abstract) Goodin, Douglas S., Squires, Kenneth C., Henderson, Beverley H., & Starr, Arnold. An early event-related		Henderson, Beverley H. See Goodin, D. S. (2) Herron, J. See Galin, D. Heslegrave, R. J., & Furedy, J. J. Anticipatory HR	
cortical potential Gorham, J. C., Novelly, R. A., & Ax, A. F. Imagery and	. 360	deceleration: The effects of active versus passive coping and the probability of negative reinforcement. (Abstract)	3
heart period increment. (Abstract)	. 273	Heslegrave, R. J., Ogilvie, J. C., & Furedy, J. J. Measuring baseline treatment differences in heart rate variability. Variance versus successive difference mean square and	3
autonomic discrimination. (Abstract)	. 272	beats per minute versus interbeat intervals. (Abstract)	

Hesselbrock, Victor. See Janes, C. L.	Katz, J., & Salt, P. Lateral eye-movements: Task dif-	
Hink, Robert F., Fenton, Wayne H., Jr., Pfefferbaum, Adolf, Tinklenberg, Jared R., & Kopell, Bert S. The	ferences and individual stylistic differences. (Abstract) 2 Keefe, Francis J. See Rosen, R. C.	279
distribution of attention across auditory input channels:	Kimball, William H. See Davis, C. M., and Rogers, T.	
An assessment using the human evoked potential 466		
Hink, Robert F., Fenton, Wayne H., Jr., Tinklenberg,	Klajner, Felix. See Furedy, J. J.	
Jared R., Pfefferbaum, Adolf, & Kopell, Bert S. Vigi- lance and human attention under conditions of methyl-	Klein, R. H. See Pass, H. L. (2) Klorman, R. See Klorman, R. S., and Pass, H. L. (2)	
phenidate and secobarbital intoxication: An assessment	Klorman, R. S., Klorman, R., Cromwell, R. L., & Shah,	
using brain potentials		
Hiroshige, Yoshiharu, & Iwahara, Shinkuro. Digital and	stress in acute and recovered myocardial infarction	
cephalic vasomotor orienting responses to indifferent,	patients. (Abstract)	271
signal, and verbal stimuli	Klose, K. J. See Schneiderman, N.	
Holmes, David S. See Frost, R. O., and Rupert, P. A.	Knapp, T. M. See Lester, J. W.	
Homoth, Reiner W. G. See Simon, W. R.	Knight, M. L., & Borden, R. J. Autonomic and affective	
Hopkins, W. F., III. See Ford, J. M.	reactions of high and low socially-anxious individuals	
Hopper, M. See Karle, W., and Scott, R.	awaiting public performance. (Abstract)	295
Horneman, C. See O'Gorman, J. G.	Knott, Verner J., & Venables, Peter H. Stimulus intensity	
Horvath, S. M. See Miller, J. C.	control and the cortical evoked response in smokers and non-smokers	196
Huff, R. See Sherman, R. Hugdahl, Kenneth. See Öhman, A.	Knowles, J. B. See Beaumaster, E. J.	100
Hutcheson, J. S., & Lutz, R. W. An economical micro-	Kopell, Bert S. See Ford, J. M., and Hink, R. F. (2), and	
processor-based control system for psychophysiological	Roth, W. T.	
experiments. (Abstract)		
•	Koresko, R. L. See Waters, W. F.	
Iacono, W. G., & Lykken, D. T. An analysis of the within-	Korman, Maurice. See Gatchel, R. J.	
subject relationship between heart rate and reaction time	Kotses, H. See Glaus, K. D.	
in a fixed foreperiod reaction time task. (Abstract) 26		
Iacono, W. G., & Lykken, D. T. Individual differences in	Kramer, Milton. See Karacan, I.	
smooth pursuit and saccadic eye tracking in mono-	Lamb, M. See Frodi, A.	
zygotic twins. (Abstract)	Langer, A. W., & Obrist, P. A. Cardiovascular dynamics	
Iwanara, Shinkuro. See Throsinge, 1.	and arteriovenous O ₂ content differences during tread-	
Janes, Cynthia L., Hesselbrock, Victor, & Stern, John A.	mill exercise and signalled shock avoidance in chronic	
Parental psychopathology, age, and race as related to	dogs. (Abstract)	295
electrodermal activity of children 2	4 Langer, Alan W. See also Obrist, P. A.	
Jennings, J. R., & Wood, C. C. Parametric study of the	Lawler, J. E., & Murray, D. M. A software program for	
role of vagal timing in cardiac cycle time effects.	the control of aversive conditioning schedules using the	
(Abstract)		292
Johnson, Harold J. See Jones, G. E.	Lawton, C. A. See Walker, B. B.	
Johnson, Laverne C. See Bonnet, M. H., and Moses, J.	Leavitt, Lewis A. See Donovan, W. L. (2), and Frodi, A.	
Johnson, R., Jr., & Donchin, E. Does P300 amplitude	Lechleiter, Stephanie L. See Manuck, S. B. Lee, Richard M. See Goldman, M. S., and Shannon, B. J.	
depend on the expectancy for physical stimuli or for stimulus categories? (Abstract)		
Johnstone, J. See Galin, D.	Lenson, R. See Davidson, R. J.	
Jones, Gary E., & Johnson, Harold J. Physiological	Lester, J. W., Knapp, T. M., & Roessler, R. Personality,	
responding during self generated imagery of contextual-	moods and physiological correlates of performance on a	
ly complete stimuli	prisoner's dilemma task. (Abstract)	278
Jones, Richard H. See Crowell, D. H.	Lester, M. L., Kitzman, M., Crowe, G. J., Giambalvo,	
	V., Sidman, R. D., & Karmel, B. Z. Brain activity	200
Kapuniai, Linda E. See Crowell, D. H. (2)	correlates of central masking. (Abstract)	298
Karacan, Ismet, Orr, William C., Roth, Thomas, Kramer,	Levenson, R. W. Specificity of responding to thematically	
Milton, Shurley, Jay T., Thornby, John I., Bingham, Stephen F., & Salis, Patricia J. Establishment and	relevant and general stressors in asthmatic and non- asthmatic subjects. (Abstract)	286
implementation of standardized sleep laboratory data	Levenson, R. W. See also Newlin, D.	200
	73 Lewis, J. See Goldwater, B. C.	
Karle, W., & Hopper, M. Two preliminary studies on	Lidsky, A., & Anderson, D. Affective and cognitive	
sleep and psychotherapy. (Abstract) 2	73 imagery effects on pupil, skin and heart measures,	
Karle, W. See also Maple, C., and Scott, R.		296
Karmel, B. Z. See Lester, M. L.	Lidsky, A. See also Sersen, E. A.	
Kaskey, G. B. See Pass, H. L. (2)	Lieberman, W. See Lockhart, R. A.	
Katkin, E. S., & Shapiro, D. Individual differences in	Light, K. C., & Obrist, P. A. Systolic blood pressure	
voluntary heart rate control. (Abstract)		200
Katkin, E. S. See also Lolanto, M. V.	clinic, at home and in the laboratory. (Abstract)	209

Light, K. C. See also Grignolo, A., and Obrist, P. A.		Murray, D. M. See Lawler, J. E.	
Lindholm, Ernest. See Fey, S. G.		Naitoh, P. See Moses, J.	
Lobstein, Tim. Detection of transient responses in adult	200	Neal, Karen S. See Manuck, S. B.	
heart rate Lobstein, Tim, Webb, Bob, & Cort, Janet. Background	380	Neuman, Michael R. See Dabbs. J. M., Jr.	
noise levels and heart rate orienting: Response detection		Newlin, D., & Levenson, R. W. Efficacy of pattern	
using time series analysis	316	feedback for the dissociation of heart rate and respiration	
Lockhart, R. A., Lieberman, W., & Krakower, J. Multi-	0.0	rate. (Abstract)	286
variate approaches to interrelationships among EDR		Noonberg, A., Goldberg, J., & Anderson, D. E. Digital	
measures. (Abstract)	261	skin temperature responses to self-regulation of frontal	200
Logel, M. L., & Weerts, T. C. Physiological asymmetry in		EMG activity. (Abstract)	268
a choice reaction time task. (Abstract)	262	Hemispheric differences in human discriminative con-	
Lolanto, M. V., & Katkin, E. S. Classical EDR condition-		ditioning. (Abstract)	297
ing using a truly random control and subjects differing in	255	Novelly, Robert A. See also Gorham, J. C. (3)	-//
	265		
Long, C. See Wicker, B.		Obrist, Paul A., Gaebelein, Claude J., Teller, Emily S.,	
Lott, G. G., & Gatchel, R. J. A multi-response analysis of learned heart rate control. (Abstract)	264	Langer, Alan W., Grignolo, Alberto, Light, Kathleen C.,	
Lott, Gary G., & Gatchel, Robert J. A multi-response	204	& McCubbin, James A. The relationship among heart	
analysis of learned heart rate control	576	rate, carotid dP/dt, and blood pressure in humans as a	102
Lutz, R. W. See Hutcheson, J. S.		Obrist, Paul A. See also Grignolo, A., and Langer, A. W.,	102
Lykken, David T. The psychopath and the lie detector .	137	and Light, K. C.	
Lykken, D. T. See also Iacono, W. G. (2)		Ogilvie, J. C. See Heslegrave, R. J.	
		O'Gorman, J. G., & Horneman, C. Consistency of non-	
MacLean, A. W. See Beaumaster, E. J.		specific electrodermal responding across conditions elic-	
Mahoney, Rebecca A. See Rebert, C. S.		iting variations in arousal. (Abstract)	291
Malcuit, G. See Paquet, A., and Pomerleau, A.		Öhman, Arne, Fredrikson, Mats, & Hugdahl, Kenneth.	
Manuck, Stephen B., Craft, Suzanne, & Gold, Kenneth J. Coronary-prone behavior pattern and cardiovascular re-		Orienting and defensive responding in the electrodermal	
sponse	403	system: Palmar-dorsal differences and recovery rate dur-	
Manuck, Stephen B., Harvey, Ann H., Lechleiter,	405	ing conditioning to potentially phobic stimuli	93
Stephanie L., & Neal, Karen S. Effects of coping on		Orbach, Israel. See Glaubman, H. Orne, E. C. See Waid, W. M.	
blood pressure responses to threat of aversive stimula-		Orne, M. T. See Wald, W. M., and Wilson, S. K.	
tion	544	Orr, William C. See Karacan, I.	
Maple, C., & Karle, W. Psychophysiological changes in a			
community based expressive psychotherapy. (Abstract)	274	Paquet, A., Malcuit, G., Pomerleau, A., & Bouchard, C.	
Maricq, H. R. Autonomic reactivity in schizophrenics and		HR responses to noncontingent success and failure sig-	200
controls selected on the basis of a "genetic marker."	202	nals in a simulated cardiac regulation task. (Abstract)	
(Abstract)	283	Parasuraman, Raja. Auditory evoked potentials and di- vided attention	460
Mauck, H. P. See Corley, K. C.		Pass, H. L., Klorman, R., Salzman, L. F., Klein, R. H., &	
McAfee, Robert D. See Elder, S. T.		Kaskey, G. B. The late positive component of the evoked	
McBrearty, E. See Christie, M. J.		response in acute schizophrenics during a test of sustained	
McCubbin, James A. See Obrist, P. A.		attention. (Abstract)	
McKean, C. M. See Salamy, A.		Pass, H. L., Salzman, L. F., Klorman, R., Kaskey, G. B.,	
Meinrath, M., & D'Amato, M. R. Uncoupling of heart rate		& Klein, R. H. The effect of distraction on smooth pursuit	t
and somatic activity in the unrestrained rat over 21-hr		eye movements in acute schizophrenic patients. (Abstract)	
periods. (Abstract)	290	Patterson, Terry, & Venables, P. H. Bilateral skin conduct-	
Mendelson, T. See Salamy, A.		ance and skin potential in schizophrenic and normal	
Meyers, R., Ancoli, S., & Peper, E. Frontal and sacro-	200	subjects: The identification of the fast habituator group of	
spinalis EMG activity to imagined affect. (Abstract) . Michalewski, H. J. See Bowman, T. E.	200	schizophrenics	556
Middaugh, S. Comparison of voluntary muscle contractions		Pelled, Odeda. See Glaubman, H.	
with and without EMG feedback in persons with neuro-		Peper, E. See Meyers, R.	
muscular dysfunction. (Abstract)	270	Peters, Jon F., & Falconer, Michael J. DUMP A/D: A	
Miezejeski, Charles M. Relationships between behavioral		LAP6W program for storing single trial electrophysio-	
arousal and some components of autonomic arousal		logical data on a PDP-12	
Milgram, P., & Senders, J. An engineering approach to		Petry, Heywood M., & Desiderato, Otello. Changes in	
psychophysiological research. (Abstract)		heart rate, muscle activity, and anxiety level follow-	
Miller, J. C., & Horvath, S. M. Impedance cardiography.		ing shock threat	398
Moses, J., Naitoh, P., & Johnson, L. C. The REM cycle in		Pettett, G. See Salamy, A. Pfefferhaum, Adolf See Ford, I. M. and Hink, P. F. (2)	
altered sleep/wake schedules	569	Pfefferbaum, Adolf. See Ford, J. M., and Hink, R. F. (2) Phillips, K. See Brener, J.	
Murphy, D. L. See Zahn, T. P.		Pilon, Robert N. See Surwit, R. S. (2)	
* * * * * * * * * * * * * * * * * * * *			

Plotkin, William B. Long-term eyes-closed alpha-enhance- ment training: Effects on alpha amplitudes and on experi-		Sandman, Curt A. See Cacioppo, J. T., and Walker, B. B. (2)	
ential state	40	Schandler, Steven L. Effects of momentary changes in	
Podlesny, John A., & Raskin, David C. Effectiveness of		arousal on discriminative autonomic classical condition-	
techniques and physiological measures in the detection			451
of deception	344	Schandry, R., & Butollo, W. Differences in cardiovascular	
Pollak, M. H. Relationship between ambulatory blood		behavior between "personality disorder" and "conduc-	
pressure in unrestricted humans and self-ratings of mood		tive disorder" children. (Abstract)	271
and behavior. (Abstract)	267	Schell, Anne M., Dawson, Michael E., Beers, James R.,	
Pomerleau, A., & Malcuit, G. Cardiac response of human		& Biferno, Michael A. Expectancy of the UCS during	
newborns in different states to a rocking stimulus.		avoidance conditioning of the SCR	148
(Abstract)	260	Schneider, Robert E., & Fowles, Don C. A convenient,	
Pomerleau, A. See also Paquet, A.		nonhydrating electrolyte medium for the measurement	
Poulos, Constantine X. See Furedy, J. J.		of electrodermal activity	483
Prokasy, William F. Editorial: Volume 15	507	Schneider, Robert E. See also Fowles, D. C.	
Przybyla, D., Green, S., & Slaughter, J. Vagal stimulation:		Schneiderman, N., Gavin, W. J., Gaice, M. S., Klose, K.	
Effectiveness as inhibitor of unpredictable shock-induced		J., & Silbret, M. Heart rate and blood pressure changes	
ulceration in rats. (Abstract)	288	during conditioning and exercise in rhesus monkeys.	201
Przybyla, D. See also Green, S.		(Abstract)	291
Putnam, L. E., Butler, G. H., & Anthony, B. J. Reflex		Schuknecht-Hanson, V. See Donovan, W.	
facilitation accompanying anticipatory HR deceleration	285	Schuman, Marjorie. See Greenstadt, L.	
in a forewarned startle paradigm. (Abstract) Putnam, L. E. See also Anthony, B. J.	203	Schwartz, G. E. See Davidson, R. J. (2)	
Putney, R. T., & Butler, J. E. The relation between saccadic		Scott, R., Hopper, M., & Karle, W. Psychophysiological	
eye movements and blocking of the occipital rhythm to		correlates of the spontaneous K-complex. (Abstract).	273
visual stimuli. (Abstract)	275	Senders, J. See Milgram, P.	213
Pye, D., & Blankstein, K. R. Role of external cues in	413	Sersen, E. A., Clausen, J., & Lidsky, A. Autonomic	
mediating psychophysiological reactions to shock threat:		specificity and stereotypy revisited	60
Fear arousal or coping mechanism? (Abstract)	267	Shah, P. M. See Klorman, R. S.	00
		Shannon, Brian J., Goldman, Mark S., & Lee, Richard M.	
Quilter, R. See Garwood, M.		Biofeedback training of blood pressure: A comparison	
		of three feedback techniques	53
Raskin, David C. Scientific assessment of the accuracy of		Shapiro, David. Editorial	
detection of deception: A reply to Lykken	143	Shapiro, David. See also Greenstadt, L., and Katkin, E. S.	
Raskin, David C., & Hare, Robert D. Psychopathy and		Sherman, R., Hayashi, R., Gaarder, K., Huff, R., &	
detection of deception in a prison population	126	Williams, M. Failure of intensive short term relaxation	
Raskin, David C. See also Podlesny, J. A.		training to reduce blood pressure of pregnant hyperten-	
Rebert, Charles S., & Mahoney, Rebecca A. Functional		sives or preeclamptics. (Abstract)	277
cerebral asymmetry and performance III. Reaction time		Shiel, F. O'M. See Corley, K. C.	
as a function of task, hand, sex, and EEG asymmetry.	9	Shimizu, Hidemi. Reliable and precise identification of R-	
Remington, Bob. See Siddle, D.		waves in the EKG with a simple peak detector	499
Roberts, R. See Weerts, T. C.		Shucard, David W., & Shucard, Janet L. Stimulus intensity	
Roessler, R. See Lester, J. W.		expectation and visual evoked brain potentials	522
Rogers, T., & Kimball, W. H. Nonspecific factors in	202	Shucard, Janet L. See Shucard, D. W.	
biofeedback therapy. (Abstract)	292	Shurley, Jay T. See Karacan, I.	
Rosen, Raymond C., & Keefe, Francis J. The measurement of human penile tumescence	366	Siddle, D. A. T. Effects of changes in verbal stimulus	
Roth, Thomas. See Karacan, I.	300	meaning on autonomic components of the orienting	
Roth, Walton T., Ford, Judith M., & Kopell, Bert S. Long-		response. (Abstract)	284
latency evoked potentials and reaction time	17	Siddle, David, & Remington, Bob. Letter to the edi-	
Roth, Walton T. See also Ford, J. M.	17	tor	609
Rupert, Patricia A., & Holmes, David S. Effects of multiple		Sidman, R. D. See Lester, M. L.	
sessions of true and placebo heart rate biofeedback		Silbret, M. See Schneiderman, N.	
training on the heart rates and anxiety levels of anxious		Silverstein, L. D., & Berg, W. K. Repetition and distribu-	
patients during and following treatment	582	tion effects on memory: A psychophysiological analysis.	
		(Abstract)	293
Salamy, A., McKean, C. M., Pettett, G., & Mendelson, T.		Silverstein, Louis D., & Graham, Frances K. Eyeblink	
Auditory brainstem recovery processes from birth to		EMG: A miniature eyelid electrode for recording from	
adulthood	214	orbicularis oculi	
Salis, Patricia J. See Karacan, I.		Simon, Wolfgang R., & Homoth, Reiner W. G. An	
Salt, P. See Katz, J.		automatic voltage suppressor for the measurement of	
Salzman, L. F. See Pass, H. L. (2)		electrodermal activity	502
Sampson, J. B. Effects of anxiety on finger temperature	202	Slaughter, J. See Green, S., and Przybyla, D.	
response to cold water immersion (Abstract)	141	SHIRIN BARTY I.J. AV COUNCIL James, Civernaniniation and	

dishabituation responses as a function of stimulus intensity and amount of overhabituation training Smith, Barry D., Dickel, Michael, & Deutsch, Sara. Overextinction and test stimulus modality determinants	517	Waid, W. M., Orne, E. C. Cook, M. R., & Orne, M. T. Independent effects of attention and arousal level on susceptibility to electrodermal detection of deception. (Abstract)	282
of dishabituation	324	Waid, W. M. See also Wilson, S. K.	202
Smith, D. B. D. See Bowman, T. E. Smith, Dan. See Gatchel, R. J.	324	Walker, B. B., Lawton, C. A. & Sandman, C. A. Discriminative control of electrogastrographic activity.	
Sostek, Andrew J. Effects of electrodermal lability and		(Abstract),	286
payoff instructions on vigilance performance	561	Walker, B. B., Sandman, C. A., & Cacioppo, J. T.	
Spitzer, Sherry E. See Dumas, R. A.		Individual differences in the physiological concomitants	207
Squires, K., Chu, N-S. & Starr, A. Ethanol and auditory evoked potentials in rat and man. (Abstract)	266	of human operant heart rate conditioning. (Abstract) . Walker, Barbara B. See also Cacioppo, J. T. Walsh, P. See Dale, A.	287
Squires, N., & Galbraith, G. Evoked-response measures		Waters, W. F., & Koresko, R. L. Short- and long-term	
of cognition in the mentally retarded. (Abstract) Starr, Arnold. See Goodin, D. S. (2), and Squires, K.	280	relationships among meteorological and electrodermal variables. (Abstract)	294
Steptoe, A. The regulation of blood pressure reactions to		Webb, Bob. See Lobstein, T.	
psychological stressors with biofeedback and relaxa-		Webb, Wilse B. See Bonnet, M. H.	
tion. (Abstract)	290	Weerts, T. C., & Roberts, R. Detection and scoring of	
Steptoe, Andrew. The regulation of blood pressure reac- tions to taxing conditions using pulse transit time feed-	420	respiratory cycle components. (Abstract)	263
back and relaxation	429	Weinberger, D. See Davidson, R. J. Weis, Charles B., Jr. See Gato, R. J.	
Stern, John A. See Janes, C. L. Stern, R. M., & Davis, C. M. Electrogastrograms of		Weiss, S. See Dale, A.	
subjects with sub-total gastric resections. (Abstract)	290	Wenner, Waldemar H. See Fuller, P. W.	
Stern, Robert M. See also Davis, C. M. (2)		Westergren, B., & Furedy, J. J. Importance of the instructed	
Stone, Claudia. See Braff, D.		eye-movement component of the complex imaginational	
Stornetta, R. See Bloch, R. M.		CS in Pavlovian conditioning of cardiac function with	
Strock, B. D., Graham, F. K., & Zeigler, B. L. Startle and		negative tilt as US. (Abstract)	266
startle inhibition in early development. (Abstract)	285	White, K. D. Salivation: The significance of imagery in its	
Surwit, R. S., Pilon, R. N., & Fenton, C. H. Behavioral	206	voluntary control	196
treatment of Raynaud's Disease. (Abstract)	286	White, Ken. See also Drummond, P.	
Surwit, Richard S., Bradner, Marilyn N., Fenton, Cynthia H., & Pilon, Robert N. Laterality of body focus and		Wickers, C. See Heffley, E. Wicker, B., & Long, C. The effects of stimulus orientation	
digital skin temperature in patients with Raynaud's		and angularity on the visually evoked cortical response.	
Disease	320	(Abstract)	278
Szalai, J. P., & Furedy, J. J. Is the effective tilt US onset		Wiesenfeld, A. Mothers' physiological responses to fa-	
merely coy and elusive or should we welcome back		miliar and unfamiliar infants. (Abstract)	292
backward conditioning—Pavlov's prodigal son?	272	Williams, M. See Sherman, R.	
(Abstract)	272	Wilson, J. R., & Wilson, L. M. Spontaneously hypertensive rat (SHR): Possible elevation in thermoregulatory	295
a motor skill. (Abstract)	271	set-point. (Abstract)	293
Teller, Emily S. See Obrist, P. A.		Wilson, S. K., Waid, W. M., & Orne, M. T. Ego strength	
ten Kortenaar, Th. See van Olst, E. H.		as a correlate of the intentional control of autonomic	
Thompson, L. W. See Bowman, T. E.		responsivity. (Abstract)	
Thornby, John I. See Karacan, I.		Winkel, M. H. See Fisher, L. E.	
Tinklenberg, Jared R. See Hink, R. F. (2)		Wood, C. C. See Jennings, J. R.	
Torda, C. A mechanism of selection of dream language.			
(Abstract)	279	Zahn, T. P., Schooler, C., & Murphy, D. L. Relationships	
Trinder, John. See Griffin, S. J.		between monoamine oxidase activity and autonomic	
van Olst, E. H., & ten Kortenaar, Th. Sex differences in		activity in normal subjects. (Abstract)	2/8
autonomic activity during information processing.		Zeigler, B. L. See Strock, B. D.	
(Abstract)		Zeiner. A. R. Racial differences in physiological baselines	
Velden, Manfred. Some necessary revisions of the neuronal		and reactivity among Caucasians and Orientals.	
model concept of the orienting response	181	(Abstract)	
Venables, Peter H. Psychophysiology and psychometrics.		Zimmerman, J. See Fortney, R. P.	
Venables, Peter H. See also Knott, V. J., and Patterson, T.		Zuckerman, M., & Buchsbaum, M. S. The biological	
Verzwyvelt, Elizabeth A. See Elder, S. T.		basis of sensation seeking. (Abstract)	276
Vucelic, I. P. Autonomic response to the same stimulus	277		
THE CONTRACT STORAGE CONTINUES (ADSITACE)	1.11		

